

**IN THE CLAIMS:**

Please amend the claims to read as follows:

Claim 1 (Currently Amended): Sound-reproducing transducer connected to a printed circuit, the transducer having the shape of a hollow cylinder whose cylindrical wall delimits two circular faces: a front face and a rear face that are opposed and planar, the transducer comprising:  
at least one diaphragm for converting electrical signals into sound waves and vice-versa, the diaphragm being a circular membrane parallel to the front face and the rear face of the transducer, the diaphragm delimiting two distinct volumes in the transducer:

the first volume, bordered on one side by the circular face of the transducer and on the other side by the diaphragm, this first volume forming a front acoustic cavity, and the second volume, bordered on one side by the circular face of the transducer and on the other side by the diaphragm, this second volume forming a rear acoustic cavity, wherein said cylindrical wall of the transducer includes at least one perforation, wherein said perforation is of substantially rectangular shape.

Claim 2 (Previously Presented): Sound-reproducing transducer according to claim 1, wherein the perforation forms a hole in the rear acoustic cavity on the cylindrical wall of the transducer.

Claim 3 (Previously Presented): Sound-reproducing transducer according to claim 1, wherein said circular face of the transducer includes at least one perforation.

Claim 4 (Canceled).

Claim 5 (Previously Presented): Sound-reproducing transducer according to claim 1,  
wherein said perforation has a size approximately one third of the height of the cylindrical wall.

Claim 6 (Canceled).

Claim 7 (Canceled).